



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/550,326	Brink Chamberlain	53047-57365

INTERNATIONAL APPLICATION NO.

PCT/US04/16021

I.A. FILING DATE

05/21/2004

PRIORITY DATE

05/23/2003

Benjamin L Volk Jr  
 Thompson Coburn  
 One Us Bank Plaza  
 St Louis, MO 63101

CONFIRMATION NO. 2088

371 FORMALITIES LETTER



\*OC000000020480275\*

Date Mailed: 09/19/2006

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 09/23/2005
- Copy of the International Search Report filed on 09/23/2005
- Preliminary Amendments filed on 09/23/2005
- U.S. Basic National Fees filed on 09/23/2005
- Priority Documents filed on 09/23/2005
- Specification filed on 09/23/2005
- Claims filed on 09/23/2005
- Abstracts filed on 09/23/2005
- Drawings filed on 09/23/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

DOCKETED

SEP 25 2006

Thompson Coburn LLP

RECEIVED

SEP 25 2006

Thompson Coburn LLP

Total additional fees required for this application is \$190 for a Small Entity:

- \$65 Surcharge.
- The specification and drawings contain more than 100 pages. Applicant owes \$125 for 5 pages in excess of 100 pages for a small entity in compliance with 37 CFR 1.27.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

TAMALA D HOLLAND

Telephone: (703) 308-9140 EXT 209

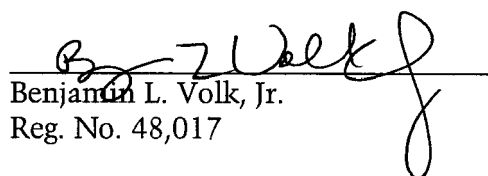
PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/550,326	PCT/US04/16021	53047-57365

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF E-FILING

I hereby certify that this correspondence is being electronically filed with the United States Patent and Trademark Office via the EFS web on January 9, 2007.

  
Benjamin L. Volk, Jr.  
Reg. No. 48,017

In re application of:	:	
Chamberlain et al.	:	
	:	
Serial No.: 10/550,326	:	Examiner: Not yet assigned
	:	
Filed: September 23, 2005	:	Group Art Unit: Not yet assigned
	:	
For: Intelligent Data Storage and Processing	:	
Using FPGA Devices	:	

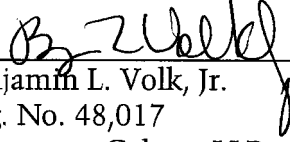
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

LETTER TO PTO

Applicant notes that the list of assignees included with the original filing of this application included Washington University and Data Search Systems, Inc. (DSSI). DSSI has changed its name to Exegy Incorporated as noted on the enclosed copy of the name change documentation from the State of Missouri.

Applicant also notes that the Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) mailed September 19, 2006 erroneously identifies "Brink Chamberlain" as the first named applicant. Applicant respectfully requests that the first named applicant filing information be changed to Roger D. Chamberlain before a filing receipt is issued. A copy of the noted change is enclosed for your reference.

Respectfully submitted,

  
\_\_\_\_\_  
Benjamin L. Volk, Jr.  
Reg. No. 48,017  
Thompson Coburn LLP  
One US Bank Plaza  
St. Louis, Missouri 63101  
(314) 552-6000  
(314) 552-7000 (fax)



**State of Missouri**  
Robin Carnahan, Secretary of State

Corporations Division  
P.O. Box 778 / 600 W. Main Street, Rm 322  
Jefferson City, MO 65102

File Number: 200515821111  
F00531186  
Date Filed: 06/06/2005  
Robin Carnahan  
Secretary of State

**Application for an Amended Certificate of  
Authority for a Foreign Corporation**

*Submit with filing fee of \$25.00*

The below corporation, relating to amending its certificate of authority of Foreign Corporation, does hereby state:

- (1) Its name is: Data Search Systems Incorporated  
and is incorporated in the State of: Delaware; and it  
was qualified in the State of Missouri on 7/8/2003  
month/day/year
- (2) By appropriate corporate action on: 2/14/05, the corporation:  
month/day/year
- (1) Changed its corporate name to: Exegy Incorporated  
Name it will use in Missouri if new name not available: N/A
- (2) Changed its period of duration to: N/A
- (3) Changed the state or country of its incorporation to: N/A
- (3) There is attached hereto a Certificate of the Secretary of State of the State of Delaware  
relating to the amendment(s), set forth in item 2 above and showing that the Corporation is in existence and in good  
standing in said State.
- (4) The effective date of this document is the date it is filed by the Secretary of State of Missouri, unless you indicate  
a future date, as follows: \_\_\_\_\_  
(Date may not be more than 90 days after the filing date in this office)

In Affirmation thereof, the facts stated above are true and correct:

(The undersigned understands that false statements made in this filing are subject to the penalties provided under Section 575.040,  
RSMA)

[Signature]  
Authorized Signature

J.J. Stupp  
Printed Name

CFO  
Title

6/3/05  
month/day/year

Attached is an original current certificate attesting to the change, duly authenticated by the secretary of state or other official hav-  
ing custody of corporate records in the state or country of incorporation.

Name and address to return filed document:

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, and Zip Code: \_\_\_\_\_

State of Missouri  
Amend/Restate - Gen Bus 3 Page(s)



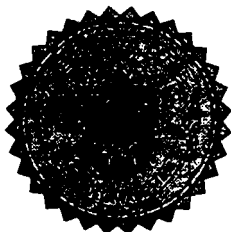
T0515807095

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT THE SAID "DATA SEARCH SYSTEMS, INCORPORATED", FILED A RESTATED CERTIFICATE, CHANGING ITS NAME TO "EXEGY INCORPORATED", THE TWENTY-THIRD DAY OF FEBRUARY, A.D. 2005, AT 5:27 O'CLOCK P.M.



3638207 8320

050236243

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3845386

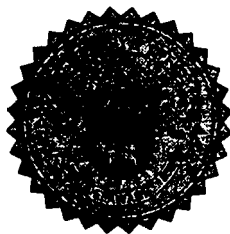
DATE: 04-29-05

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "EXEGY INCORPORATED" IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-NINTH DAY OF APRIL, A.D. 2005.



3638207 8300

050236243

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3845387

DATE: 04-29-05

# State of Missouri



Robin Carnahan  
Secretary of State

## AMENDED CERTIFICATE OF AUTHORITY OF A FOREIGN CORPORATION

WHEREAS,

*EXEGY INCORPORATED*  
F00531186

FORMERLY,

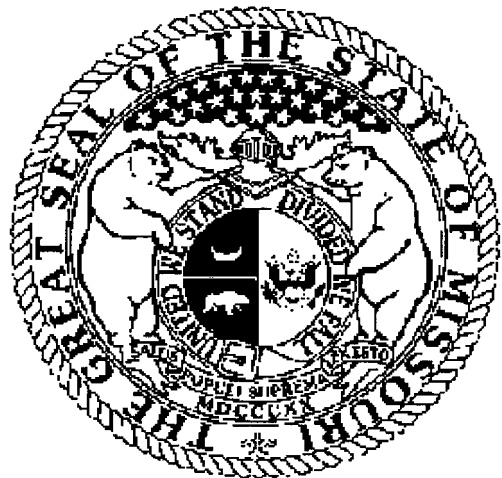
*Data Search Systems, Inc.*

incorporated under the laws of the State of Delaware and now in existence and in good standing in said State, and qualified to transact business in Missouri has delivered to me, duly authenticated evidence of an amendment to its Articles of Incorporation as provided by law, and has, in all respects, complied with the requirements of The General and Business Corporation Law of Missouri, governing Amendments to the Articles of Incorporation of Foreign Corporations, and in accordance therewith issue this Certificate of Amendment.

IN TESTIMONY WHEREOF, I have set  
my hand and imprinted the GREAT SEAL  
of the State of Missouri, on this, the 6th day  
of June, 2005.

A handwritten signature in cursive script that reads "Robin Carnahan".

Secretary of State







## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/550,326	<del>Brink</del> Chamberlain <i>Roger D.</i>	53047-57365

INTERNATIONAL APPLICATION NO.
-------------------------------

PCT/US04/16021

I.A. FILING DATE	PRIORITY DATE
05/21/2004	05/23/2003

Benjamin L Volk Jr  
 Thompson Coburn  
 One Us Bank Plaza  
 St Louis, MO 63101

CONFIRMATION NO. 2088

## 371 FORMALITIES LETTER



\*OC000000020480275\*

Date Mailed: 09/19/2006

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 09/23/2005
- Copy of the International Search Report filed on 09/23/2005
- Preliminary Amendments filed on 09/23/2005
- U.S. Basic National Fees filed on 09/23/2005
- Priority Documents filed on 09/23/2005
- Specification filed on 09/23/2005
- Claims filed on 09/23/2005
- Abstracts filed on 09/23/2005
- Drawings filed on 09/23/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

DOCKETED

SEP 25 2006

Thompson Coburn LLP

RECEIVED

SEP 25 2006

Thompson Coburn LLP

Total additional fees required for this application is **\$190** for a Small Entity:

- **\$65** Surcharge.
- The specification and drawings contain more than 100 pages. Applicant owes **\$125** for **5** pages in excess of **100** pages for a small entity in compliance with 37 CFR 1.27.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

TAMALA D HOLLAND

Telephone: (703) 308-9140 EXT 209

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/550,326	PCT/US04/16021	53047-57365